



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-01590

Friday November 5, 2021

Satellite Policy Branch Information

Space Station Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined that the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions, and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-LOA-20210616-00080 E S3095 Umbra Lab Inc
Date Filed: 06/16/2021 21:01:02:36600
Launch and Operating Authority

Umbra Lab Inc. requests authority to construct, deploy, and operate six low-Earth orbit, non-geostationary satellites deployed to altitudes between 535 km and 595 km. The satellites would operate in the Earth-Exploration Satellite Service, conducting synthetic aperture radar (SAR) imaging. Umbra requests authority to operate in the following frequency bands: 9200-10400 MHz and 9300-9900 MHz for SAR imaging; 8025-8400 MHz (space-to-Earth) for the EESS downlink; 2025-2110 MHz (Earth-to-space) and 2200-2290 MHz (space-to-Earth) for space operations (tracking, telemetry, and command). Specifically, Umbra requests: to conduct SAR operations using center frequencies of 9800 MHz and 9600 MHz, with bandwidths of 1200 MHz and 600 MHz, respectively; to operate an EESS downlink using a center frequency of 8150 MHz with a bandwidth of 250 MHz; to operate a space operations downlink using a center frequency of 2254 MHz with a bandwidth of 0.1 MHz; and to operate a space operations uplink using a center frequency of 2080 MHz with a bandwidth of 0.1 MHz. Umbra requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules and requests a limited waiver of Section 25.114(c) of the Commission's rules, which requires certain information to be filed in the Schedule S. Umbra also requests that its application be processed in accordance with the small satellite licensing procedures adopted in FCC 19-81.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.